

Amendments to the Substitute Specification:

Please replace the paragraph on page 2, lines 24-30 with the following amended paragraph:

Many mutations and polymorphisms have already been reported in the BRCA1 gene. A world wide web site has been built to facilitate the detection and characterization of alterations in breast cancer susceptibility genes. Such mutations in BRCA1 can be accessed through the Breast Cancer Information Core at: ~~http://www.nehgr.nig.gov/dir/lab-transfer/bic~~ web site. This data site became publicly available on November 1, 1995. Friend, S. *et al. Nature Genetics* 11:238, (1995).

Please replace the paragraph on page 34, lines 19-24 with the following amended paragraph:

A person skilled in the art of genetic susceptibility testing will find the present invention useful for determining the presence of a known or previously unknown mutation in the BRCA1 gene. A list of mutations of BRCA1 is publicly available ~~in~~ at the Breast Cancer Information Core at: ~~http://www.nehgr.nih.gov/dir/lab-transfer/bic~~ web site. This data site became publicly available on November 1, 1995. Friend, S. *et al. Nature Genetics* 11:238, (1995).

Please replace the paragraph on page 37, lines 4-11 with the following amended paragraph:

A person skilled in the art of genetic susceptibility testing will find the present invention useful for determining the presence of a known or previously unknown mutation in the BRCA1 gene. A list of mutations of BRCA1 is publicly available ~~in~~ at the Breast Cancer Information Core at: ~~http://www.nehgr.nih.gov/dir/lab-transfer/bic~~ website. This data site became publicly available on November 1, 1995. Friend, S. *et al. Nature Genetics* 11:238, (1995). In this example, a mutation in exon 11 is characterized by amplifying the region of the mutation with a primer which matches the region of the mutation.